What is claimed is:

1. A circuit being set in a communication apparatus and co-operating with a button of an audio receiving/transmitting device for triggering an on-hook or off-hook function by pressing the button while the communication apparatus receives an incoming call, the communication apparatus comprising an audio-signal receiving port, a bias source, and a detecting-signal input port, the circuit comprising:

a connecting device comprising an audio-signal input end for electrically and detachably connecting to the audio receiving/transmitting device;

a first signal line for connecting the audio-signal receiving port and the audio-signal input end;

a second signal line for connecting the bias source and the first signal line; and

a detecting device for electrically connecting to the first signal line and the detecting-signal input port, wherein a first connecting point is defined in the place where the detecting device electrically connects to the first signal line, the detecting device being used for detecting a detecting signal of a voltage value of the first connecting point and outputting a detecting-signal value of the detecting signal to the detecting-signal input port; and

wherein, when the audio receiving/transmitting device is electrically connected to the connecting device, and the communication apparatus receives the incoming call, and the button is pressed, a temporary broken circuit is caused between the audio-signal input end of the connecting device and the audio receiving/transmitting device, that further causes the detecting-signal value to be higher than a threshold value to trigger the on-hook function of the communication apparatus; and

wherein, when the on-hook function is activated, and the audio receiving/transmitting device is connected to the connecting device, and the button is pressed, the temporary broken circuit is re-caused between the audio-signal input end of the connecting device and the audio receiving/transmitting device, that further causes the detecting-signal value to be higher than the threshold value to trigger the off-hook function of the communication apparatus.

2. The circuit of claim 1, when the communication apparatus receives the incoming call, wherein the audio-signal receiving port is activated to receive an audio input signal from the audio receiving/transmitting device.

3. The circuit of claim 2, wherein the audio receiving/transmitting device comprises an audio-signal input line for transmitting the audio input signal.

4. The circuit of claim 3, wherein the button is set in the audio-signal input line.

5. The circuit of claim 1, further comprising a processor, the detecting-signal input port connecting to the processor, the detecting signal value being inputted into the processor via the detecting-signal input port, the processor triggering the on-hook and off-hook function of the communication apparatus according to the detecting signal value.

6. The circuit of claim 1, wherein the voltage of the bias source is higher than a threshold voltage, and when the button is pressed, the detecting signal detected by the detecting device is approximately equal to the voltage of the bias source.

7. The circuit of claim 6, wherein the detecting signal value represented the threshold voltage is equal to the threshold value.

8. The circuit of claim 6, wherein a second connecting point is identified in the place where the second signal line connects to the first signal line, and the first connecting point is located between the audio-signal input end and the second

connecting point.

9. The circuit of claim 6, wherein the detecting device is an analog-to-digital converter.

10. The circuit of claim 9, wherein the analog-to-digital converter comprises a detecting input end and a detecting output end, the analog-to-digital converter electrically connects to the first signal line by the detecting input end, and electrically connects to the detecting-signal input port by the detecting output end.

11. The circuit of claim 10, wherein the analog-to-digital converter further comprises a bias resistance connecting to the second signal line in series connection.